

# TELECOOL

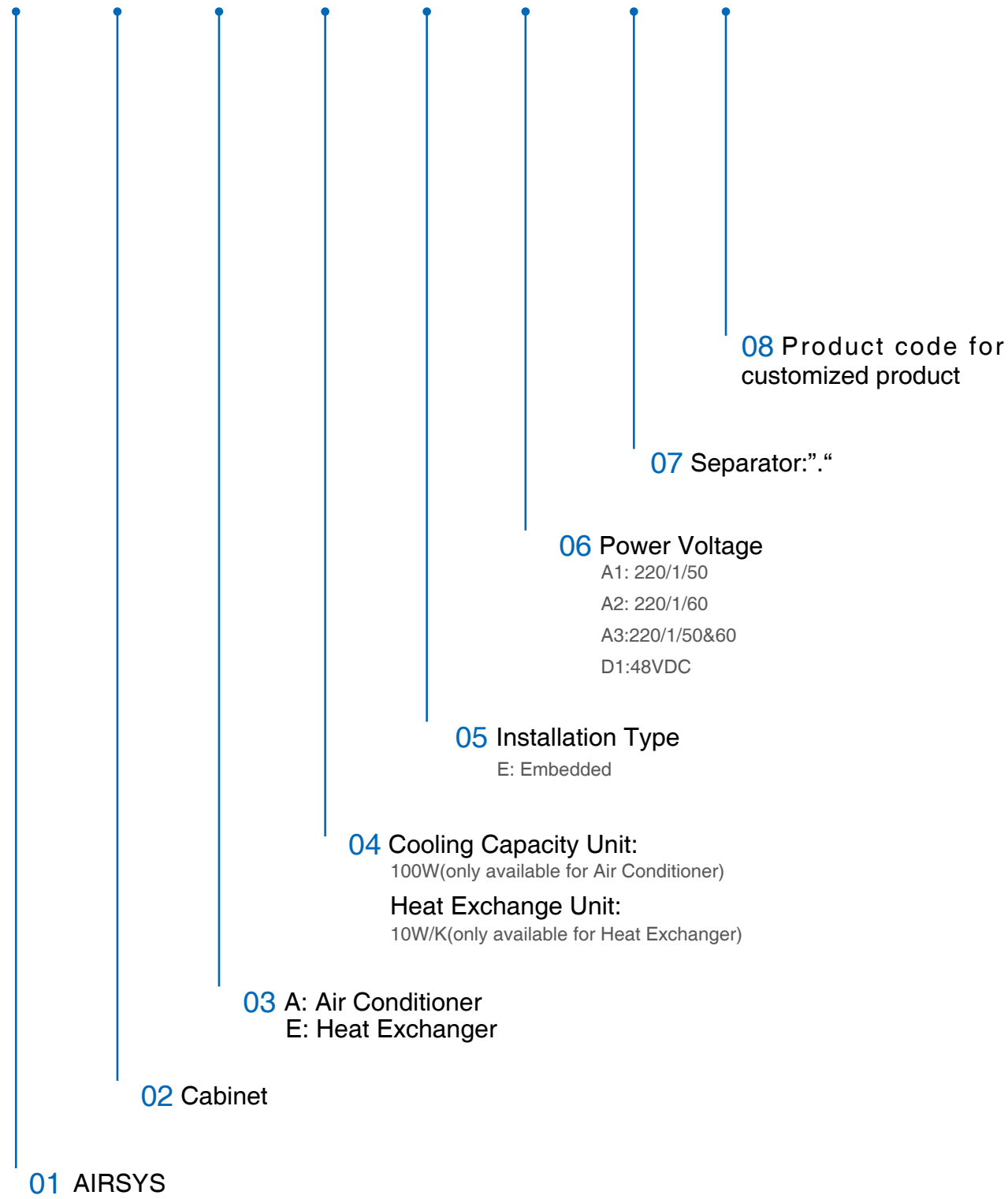
## Cabinet Cooling Unit

Cooling Capacity: 300W-5000W



# Nomenclature

01	02	03	04	05	06		
A	C	A E	005	E	A1 A2 A3 D1	.	XXX



01 AIRSYS

02 Cabinet

03 A: Air Conditioner  
E: Heat Exchanger

04 Cooling Capacity Unit:  
100W(only available for Air Conditioner)  
Heat Exchange Unit:  
10W/K(only available for Heat Exchanger)

05 Installation Type  
E: Embedded

06 Power Voltage  
A1: 220/1/50  
A2: 220/1/60  
A3:220/1/50&60  
D1:48VDC

07 Separator: ". "

08 Product code for customized product

# AC series Cabinet Air conditioner

## Recommendation application

Power supply is 220VAC, mainly used for cabinet with concentrated heat load.

## Features

- ⊙ Remote measuring, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- ⊙ Strict process control and famous brand components to ensure high quality and reliability of this product;
- ⊙ Fit for harsh condition (T3), R134a refrigerant ;
- ⊙ Multiple self-protection design , RS485 communication port (MODBUS-RTU protocol);
- ⊙ LED display, all the settings can be changed at the field;
- ⊙ The heating function is optional;
- ⊙ Dry contact alarm output, NO/NC optional;
- ⊙ Anti-theft design, without the protection cover.

Mode	Unit	ACA003EA1	ACA005EA1	ACA008EA1	ACA010EA1	ACA015EA1	ACA020EA1
Input voltage		AC 220V±15% 50Hz					
Cooling capacity	L35/L35 W	300	500	800	1000	1500	2000
Power consumption	L35/L35 W	150	210	340	410	650	870
Airflow	m <sup>3</sup> /h	120	120	440	440	440	700
Application temperature	°C	-40°C~+70°C					
Working temperature	°C	-15°C~55°C					
Mounting method		Embedded					
IP grade		IP55					
Refrigerant		R134a					
Noise	dB (A)	60	60	65	65	65	65
Surface treatment		Outdoor type powder coating RAL7035					
Dimensions (Include flange)	mm	582*352*175		655*381*170		782*482*200	
Dimensions (Without flange)	mm	546*315*175		614*340*170		745*445*200	
Weight	kg	15	17	20	32	34	35

Mode	Unit	ACA025EA1	ACA030EA1	ACA035EA1	ACA040EA1	ACA050EA1
Input voltage		AC 220V±15% 50Hz				
Cooling capacity	L35/L35 W	2500	3000	3500	4000	5000
Power consumption	L35/L35 W	1090	1300	1500	1725	1850
Airflow	m <sup>3</sup> /h	720	720	1150	1250	1250
Application temperature	°C	-40°C~+70°C				
Working temperature	°C	-15°C~55°C				
Mounting method		Embedded				
IP grade		IP55				
Refrigerant		R134a				
Noise	dB (A)	65	65	65	65	65
Surface treatment		Outdoor type powder coating RAL7035				
Dimensions (Include flange)	mm	1201*536*225		1350*550*300		1350*650*300
Dimensions (Without flange)	mm	1150*485*225		1300*500*300		1300*600*300
Weight	kg	50	50	70	75	85

To learn more about each model product, refer to corresponding model catalogue as follows.

Cooling Capacity(W)	Model Catalogue	Cooling Capacity(W)	Model Catalogue
300	ACA003EA1	2500	ACA025EA1
500	ACA005EA1	3000	ACA030EA1
800	ACA008EA1	3500	ACA035EA1
1000	ACA010EA1	4000	ACA040EA1
1500	ACA015EA1	5000	ACA050EA1
2000	ACA020EA1		

# 48VDC series Cabinet Air conditioner

## Recommendation application

Power supply is 220VAC, mainly used for cabinet with concentrated heat load.

## Features

- ⊙ Remote measuring, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- ⊙ DC Air conditioner, Power supply voltage range;
- ⊙ Fit for harsh condition (T3), R134a refrigerant ;
- ⊙ Low power consumption design with (SEER ≥ 5.5);
- ⊙ LED display, all the settings can be changed at the field;
- ⊙ Strict process control and international brand parts deployed to ensure high quality and product;
- ⊙ Dry contact alarm output, NO/NC optional;
- ⊙ Anti-theft design, without the protection cover.

Mode	Unit	ACA003ED1	ACA005ED1	ACA008ED1	ACA010ED1	ACA015ED1
Input voltage				-48VDC		
Cooling capacity	L35/L35	W	300	500	800	1000
Power consumption	L35/L35	W	130	150	180	280
Airflow		m <sup>3</sup> /h	100	150	350	400
Application temperature		°C			-40°C ~ +70°C	
Working temperature		°C			-15°C ~ -55°C	
Mounting method					Embedded	
IP grade					IP55	
Refrigerant					R134a	
Noise	dB (A)	60	55	65	65	65
Surface treatment					Outdoor type powder coating RAL7035	
Dimensions (Include flange)	mm	441*281*150	582*352*175		782*482*200	
Dimensions (Without flange)	mm	400*240*150	546*315*175		745*445*200	
Weight	kg	7	20	30	32	34

Mode	Unit	ACA020ED1	ACA025ED1	ACA030ED1	ACA035ED1	ACA040ED1
Input voltage				-48VDC		
Cooling capacity	L35/L35	W	2000	2500	3000	3500
Power consumption	L35/L35	W	570	700	860	1000
Airflow		m <sup>3</sup> /h	450	800	800	1000
Application temperature		°C			-40°C ~ +70°C	
Working temperature		°C			-15°C ~ -55°C	
Mounting method					Embedded	
IP grade					IP55	
Refrigerant					R134a	
Noise	dB (A)			65		
Surface treatment					Outdoor type powder coating RAL7035	
Dimensions (Include flange)	mm	782*482*200	1201*536*225		1350*550*300	
Dimensions (Without flange)	mm	745*445*200	1150*485*225		1300*500*300	
Weight	kg	35	55	55	75	75

To learn more about each model product, refer to corresponding model catalogue as follows.

Cooling Capacity(W)	Model Catalogue	Cooling Capacity(W)	Model Catalogue
300	ACA003ED1	2000	ACA020ED1
500	ACA005ED1	2500	ACA025ED1
800	ACA008ED1	3000	ACA030ED1
1000	ACA010ED1	3500	ACA035ED1
1500	ACA015ED1	4000	ACA040ED1

# Heat Exchanger

## Recommendation application

Power supply is 48VDC, mainly used for telecommunication outdoor cabinets, power supply cabinet, battery cabinet, integrated cabinet etc.

## Features

- ⊙ Remote measuring, remote communication, remote control, which can realize multiple automatic protection and comprehensive self-testing function;
- ⊙ Power supply voltage range;
- ⊙ LED display, all the settings can be changed at the field;
- ⊙ Strict process control and international brand parts deployed to ensure high quality and product;
- ⊙ Dry contact alarm output, NO/NC optional;
- ⊙ Anti-theft design, without the protection cover.

Model		ACE006ED1	ACE008ED1	ACE010ED1	ACE012ED1	ACE015ED1	ACE018ED1
Input voltage		-48VDC					
Cooling capacity	L35/L35 W/K	60	80	100	120	150	180
Power consumption	L35/L35 W	68	68	129	190	190	190
Airflow	m <sup>3</sup> /h	450	450	850	850	860	950
Application temperature	°C	-40~70					
Working temperature		-40~65					
Mounting method		Embedded					
IP grade		IP 55					
Noise	dB (A)	65					
Surface treatment		Outdoor type powder coating RAL7035					
Dimensions (Include flange)	mm	1001*546*155		1001*546*200		1297*569*240	
Dimensions (Without flange)	mm	950*495*155		950*495*200		1246*518*240	
Weight	kg	30	32	35	40	50	50

To learn more about each model product, refer to corresponding model catalogue as follows.

Cooling Capacity(W/K)	Model Catalogue
60	ACE006ED1
80	ACE008ED1
100	ACE010ED1
120	ACE012ED1
150	ACE015ED1
180	ACE018ED1



# AIRSYS

Balance the Environment

*AIRSYS is a cooling product and solution provider for ICT (Information & Communication Technology) industry.*

## The products include:

- Air conditioner and Chiller for IT room and large data center
- Intelligent Control system (BAS) for IT room and data center
- Air conditioning equipments for telecom shelters
- Intelligent control system for shelter cooling.
- Air conditioner and heat exchanger for telecom cabinets.

## The solution include:

- Cooling system design
- System integration
- Installation and Commissioning
- Operation and Maintenance

*AIRSYS is also a global leader in providing cooling solution for Medical Imaging System.*

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Product design and specification subject to change without prior notice.